

Response to Office Action Mailed July 16, 2004
Application No. 10/078,449
Attorney Docket No. 2089/42100 Case PA3 TMM

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) Disk data storage media comprising a disk having first and second disk surfaces and an optical disk edge surface with at least one of said first and second disk surfaces being an optical disk surface ~~and said edge surface being formed to store a first set of data and said edge surface being formed to store a second set of data, wherein said first set of data can be used independently of said second set of data.~~

2. (Canceled)

3. (Original) Disk data storage media as claimed in claim 1 in which the disk edge surface stores data optically.

4-6. (Canceled)

7. (Original) Disk data storage media as claimed in claim 1 in which the disk edge surface is readable and writable.

8. (Original) Disk data storage media as claimed in claim 1 in which the disk edge surface is read only.

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9. (Currently Amended) Disk data storage media as claimed in claim 1 in which the first and second disk surfaces have a maximum diameter, and the disk edge surface is enlarged and within the confines of said maximum diameter.

10. (Original) Disk data storage media as claimed in claim 9 in which the enlarged disk edge surface is formed by increasing the thickness of the disk adjacent the disk edge.

11. (Original) Disk data storage media as claimed in claim 9 in which the enlarged disk edge surface is formed by creating an angled annular surface extending from at least one of the first and second disk surfaces.

12. (Original) Disk data storage media as claimed in claim 11 including a pair of opposed, angled surfaces that define a generally triangular cross-section having an apex at the edge surface of the disk.

13. (Original) Disk data storage media as claimed in claim 9 in which the enlarged disk edge surface is formed by an angled surface extending from the first to the second disk surfaces.

14. (Original) Disk data storage media as claimed in claim 9 in which the enlarged disk edge surface is formed by an annular flange extending from at least one of the first and second disk surfaces.

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15. (Original) Disk data storage media as claimed in claim 1 in which the edge surface is formed with at least two layers, each layer being adapted to store data.

16. (Original) Disk data storage media as claimed in claim 1 in which the disk edge surface includes data to permit monitoring of physical characteristics of the disk and the movement of the disk.

17. (Currently Amended) Disk data storage media as claimed in ~~claim 16~~ claim 1 in which the disk edge surface includes data to permit monitoring of the tilt, vibration or rotation speed of the disk.

18. (Currently Amended) Disk data storage media as claimed in claim 1 in which the optical disk has a maximum diameter, and the disk edge surface is formed to receive material having a surface to store data, wherein said material does not extend beyond said maximum diameter.

19. (Currently Amended) Disk data storage media as claimed in claim 18 in which the disk edge surface is formed with a groove to receive ~~a band of said material having a surface to store data.~~

20. (Currently Amended) Disk data storage media as claimed in ~~claim 1~~ claim 18, wherein said material comprises including at least one wire bonded to the disk edge surface, said at least one wire being used to store data.

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21. (Currently Amended) In disk data storage media comprising a disk having first and second disk surfaces and an optical edge surface, the improvement comprising forming of the disk edge surface to store data.

22. (Currently Amended) A method of storing additional data on disk data storage media in the form of a disk with first and second disk surfaces having at least one data storage surface, comprising storing data on the optical edge surface of the disk.

23. (Currently Amended) A method of providing additional data storage capacity on disk data storage media in the form of a disk with first and second disk surfaces, comprising the step of forming a data storage surface on ~~the~~ an optical edge surface of the disk.

24. (Currently Amended) The method as claimed in claim 23 in which the step of forming a data storage surface ~~on the edge surface~~ of the disk includes comprises the steps of: preparing the edge surface of the disk; and applying a surface for storage of data to the edge surface.

25. (Original) The method as claimed in claim 24 in which the step of applying a surface comprises: rotating the disk; and coating the disk with a surface to store data.

26. (Original) The method as claimed in claim 25 in which the step of coating the surface comprises spraying the data storage surface onto the edge surface.

27. (Original) The method as claimed in claim 24 in which the step of applying a surface comprises bonding material with a data storage surface to the edge surface.

28. (Original) The method as claimed in claim 24 in which the step of applying a surface comprises bonding a ring of material with a data storage surface to the edge surface.

29. (Original) The method as claimed in claim 28 including the step of forming a groove in the edge surface to receive the ring of material.

30. (Currently Amended) A method of converting disk data storage media in the form of a disk with first and second disk surfaces into a disk with additional storage comprising the steps: preparing ~~the~~ an optical edge surface of the disk; and applying a surface for storage of data to the optical edge surface.

31. (Currently Amended) A method of forming disk data storage media comprising the steps: mounting a pair of disk platters back to back to define an annular perimeter space therebetween; and mounting an optical data storage surface in the perimeter space to define an edge surface.